**Soil Partner Review**

1. Why is soil an important, life supporting material?
2. What basic needs does soil provide a plant?
3. How do organisms like worms, ants, and moles affect soil?
4. What is weathering and how does it affect soil?
5. What is the difference between loess and outwash?  
   Draw a picture showing the different horizons of the soil. Label each horizon and identify what it is made of.
6. What is soil degradation?
7. What is the difference between topsoil, subsoil, and bedrock?
8. What is organic matter and why is it important?
9. List four agricultural uses and four nonagricultural uses of soil.
10. What resources does soil provide?
11. Draw a cross-section of Earth showing the different layers and how soil relates to this.
12. What are photosynthesis and respiration? How are the related to our study of soil?
13. What are the six types of soil parent material? Which one is the most desirable and why?
14. What are the four components of soil and how much of the soil do they make up?
15. Describe what the Dust Bowl was and its affects on our country. Be sure to include any changes in economy, legislation, and practices that resulted from this.
16. What is desertification and how does it affect us?  
    What are salinization and waterlogging? How are they a problem for soil quality?
17. Use the following information to answer questions about the soil that is present: Eye height = 9.2; Rod height = 7.0; Length of slope = 100 ft; top soil color is very dark; subsoil color is brownish with no gray mottling in it; no gray soil between the A and B horizon; Z = 0.09
    1. What is the slope of your land?
    2. What is the percent organic matter that is present?
    3. Is there an A2 horizon that is present?
    4. What type of drainage would this soil provide?
    5. What is the C value of the soil?
    6. Accurately mark the chart below

